

# V&V Reference Report

## L2 ASCDS Version : 7.6.7.1

Observation 5752 - L2 Version 002  
Chandra X-Ray Center

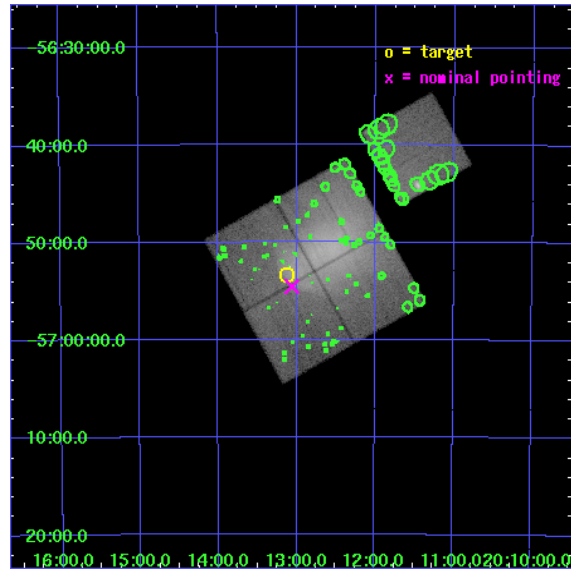
L2 Processing Date : Mar 10 2006

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# 1 Front

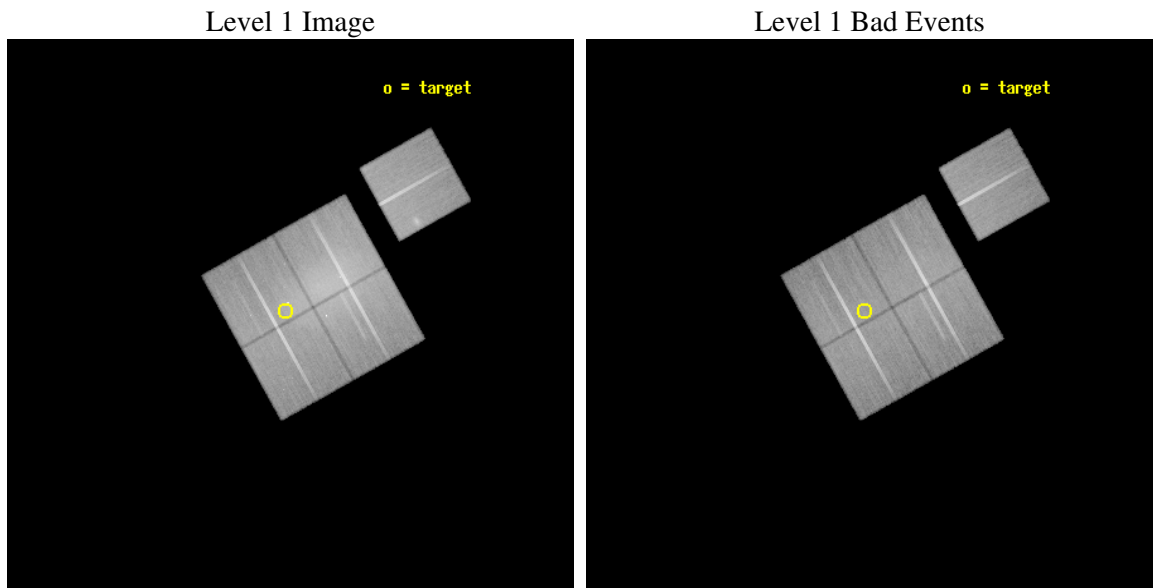
seq_num	800466
obs_id	5752
title	A CHANDRA TREASURY OBSERVATION OF THE BEST EXAMPLE OF A CLUSTER COLD FRONT
observer	Dr Alexey Vikhlinin
object	Abell 3667
dtcycle	0
cycle	P
ra_targ	303.280208
dec_targ	-56.89
ra_nom	303.2644079775
dec_nom	-56.908943022877
roll_nom	60.784325087054
revision	2
ontime	61203.217901766
livetime	60403.552802726
ontime0	61203.217901766
ontime1	61200.076931566
ontime2	61200.076901674
ontime3	61200.07689178
ontime6	61203.21791178
l2events	526540



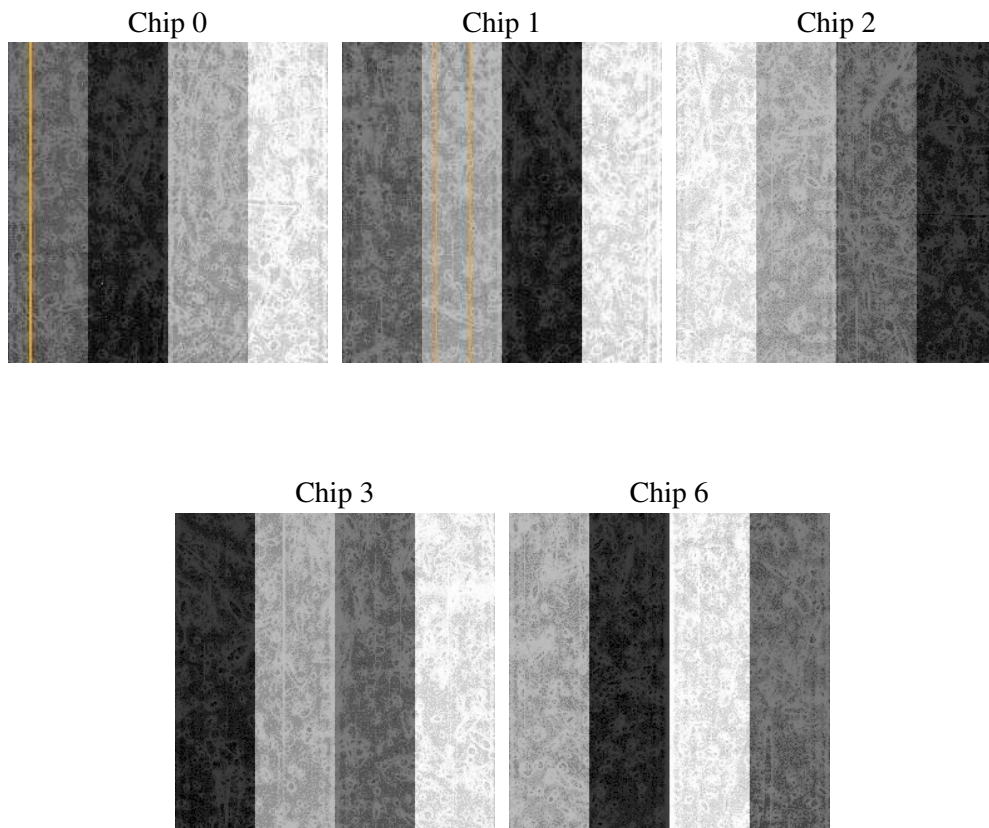
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	1
ascdsver	7.6.7.1
caldbver	3.2.1
date	2006-03-10T08:05:46
revision	2

sched_exp_time	61160.000000
ontime	61208.915323317
ontime0	61208.915323317
ontime1	61205.774353117
ontime2	61205.774323225
ontime3	61205.774313331
ontime6	61208.915343225
l1events	2301908

### 2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	426613	398974	581202	462894	432225
rejected events	323706	321915	370789	350330	351422
rejected %	75%	80%	63%	75%	81%

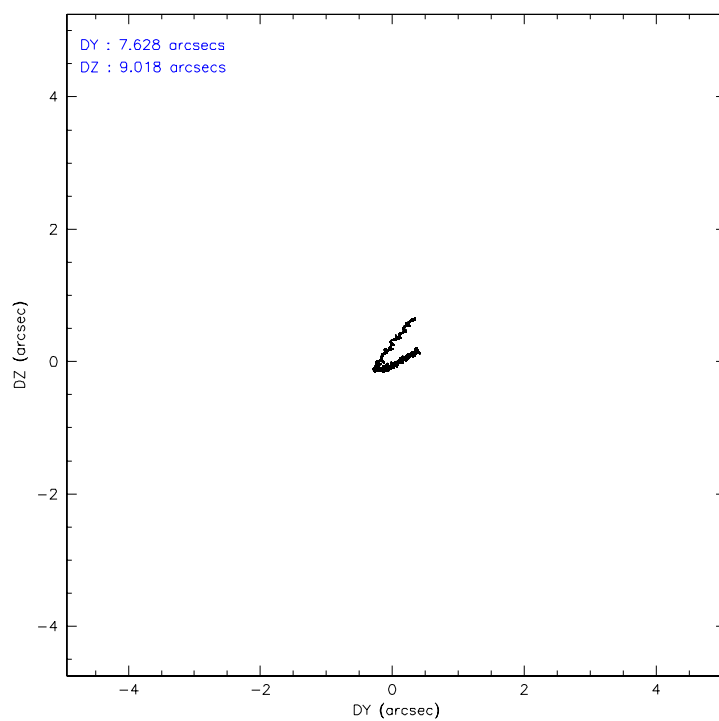
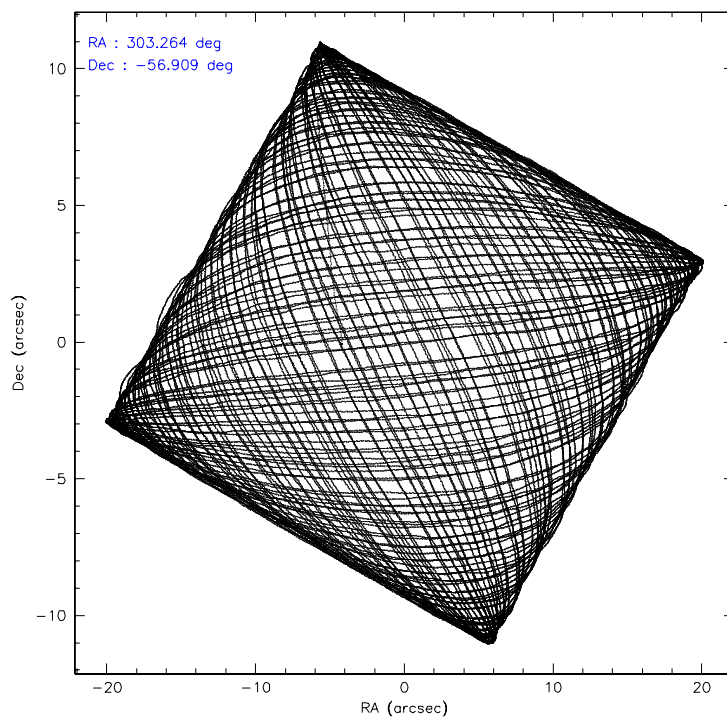
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	65504	42894	154865	75784	47674
	15%	10%	26%	16%	11%
grade 1 events	480	302	1006	584	324
	0%	0%	0%	0%	0%
grade 2 events	15766	13038	25440	15095	12511
	3%	3%	4%	3%	2%
grade 3 events	6376	5839	9333	6460	5683
	1%	1%	1%	1%	1%
grade 4 events	6144	5707	9581	6309	5609
	1%	1%	1%	1%	1%
grade 5 events	14020	14911	13442	15803	15318
	3%	3%	2%	3%	3%
grade 6 events	9129	9590	11221	8925	9329
	2%	2%	1%	1%	2%
grade 7 events	309194	306693	356314	333934	335777
	72%	76%	61%	72%	77%

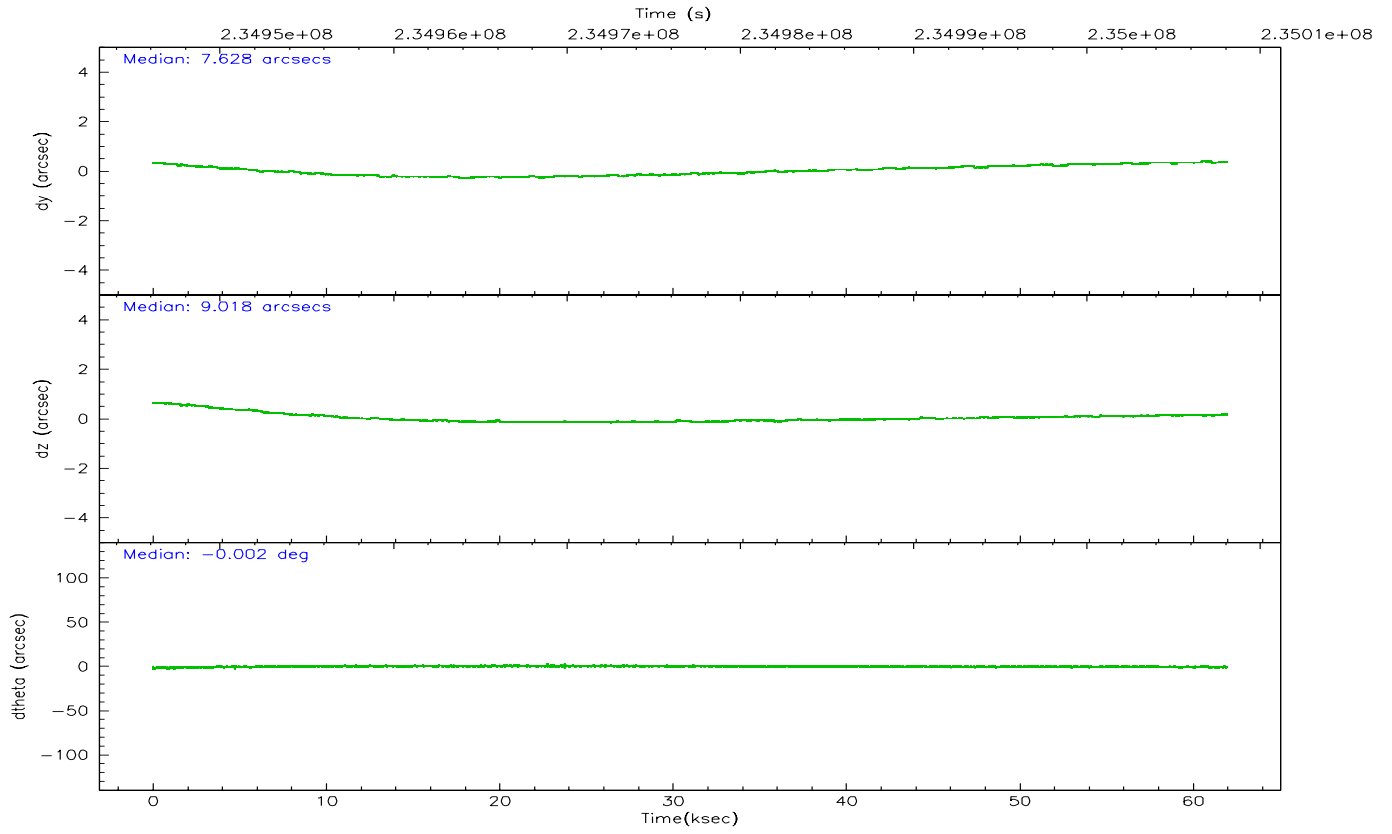
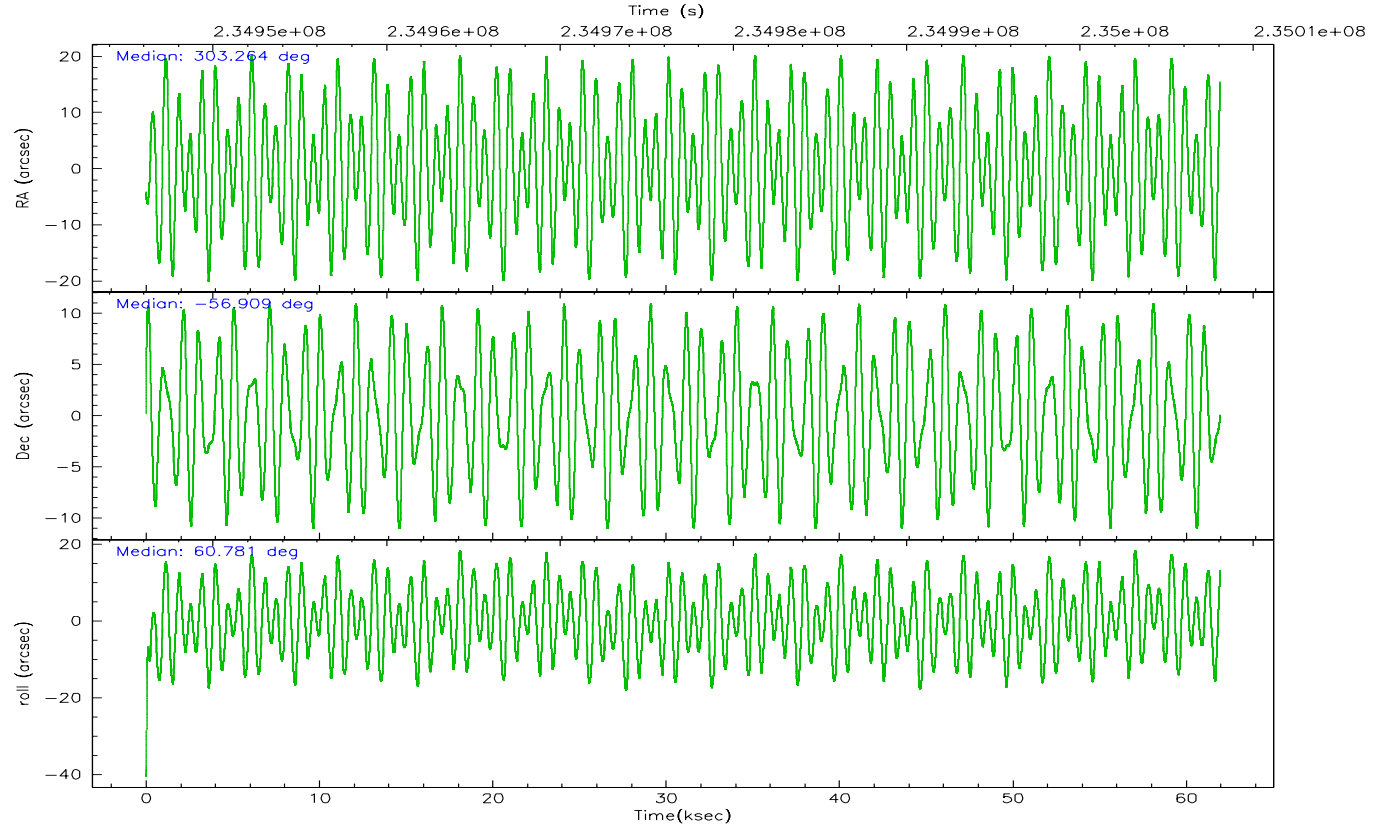


## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-01236	ACIS-01236	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	On-chip summing requested	N	N
Observation mode	POINTING	POINTING	Subarray requested	NONE	NONE
Pointing RA	303.265314	303.2644079774969	Alternating exposures requested	N	N
Pointing Dec	-56.936317	-56.90894302287742	Primary exposure time	0.000000	3.1
Pointing Roll	60.576416	60.78432508705424			
SIM focus pos (mm)	-0.782348	-0.7809083437167272			
SIM defocus (mm)	0	0.001439871863259334			
SIM translation stage pos (mm)	-243.592463	-243.5843520998312			
SIM translation stage offset (mm)	10	9.991899096901562			
Observation start time	234946923.184000	234945541.01059			
Observation start date	2005-06-12T07:00:59	2005-06-12T06:39:01			
Observation end time	235008083.184000	235008797.86347			
Observation end date	2005-06-13T00:00:19	2005-06-13T00:13:17			
Read mode	TIMED	TIMED			

## 2.3 Aspect



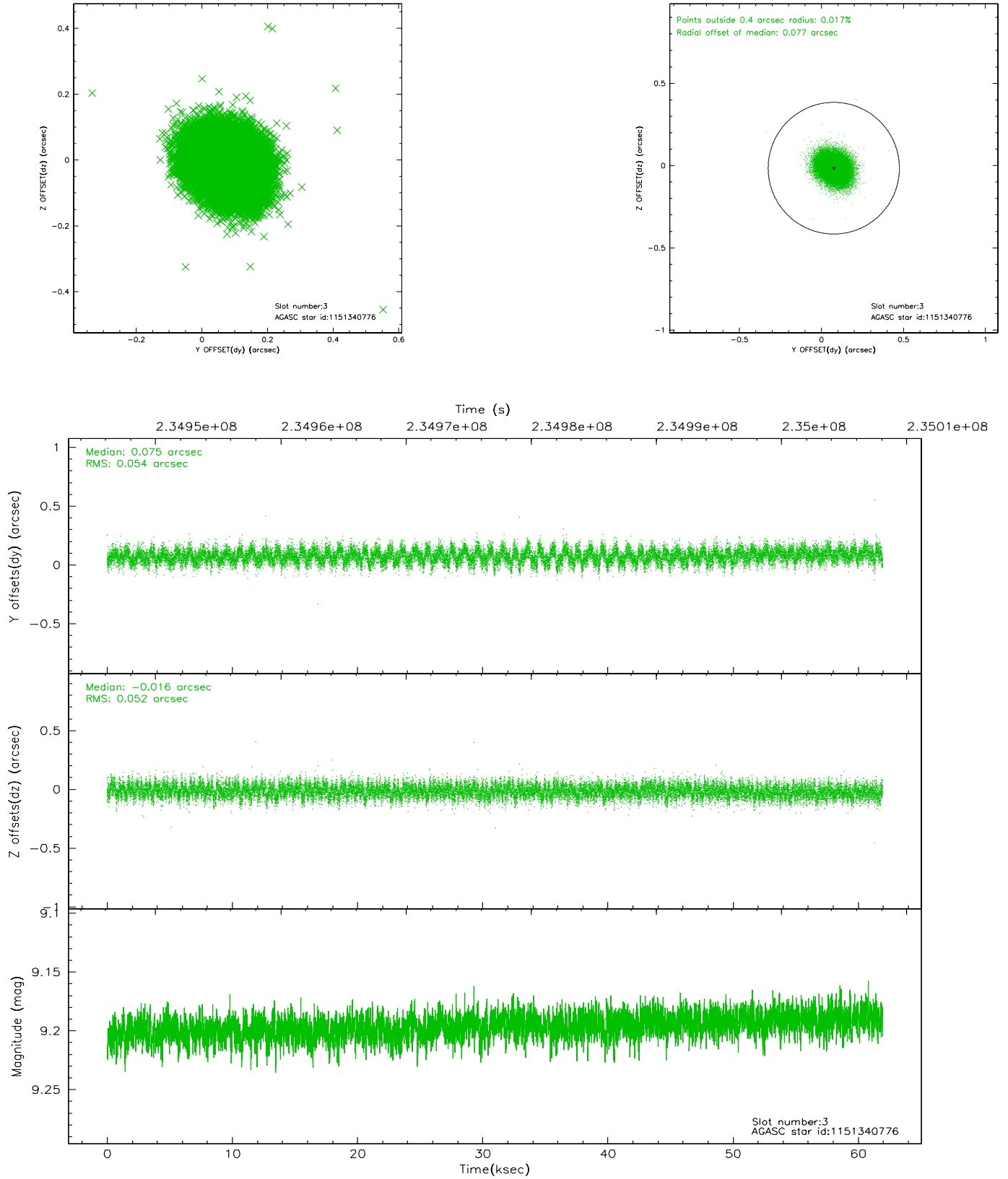


# Slot Statistics

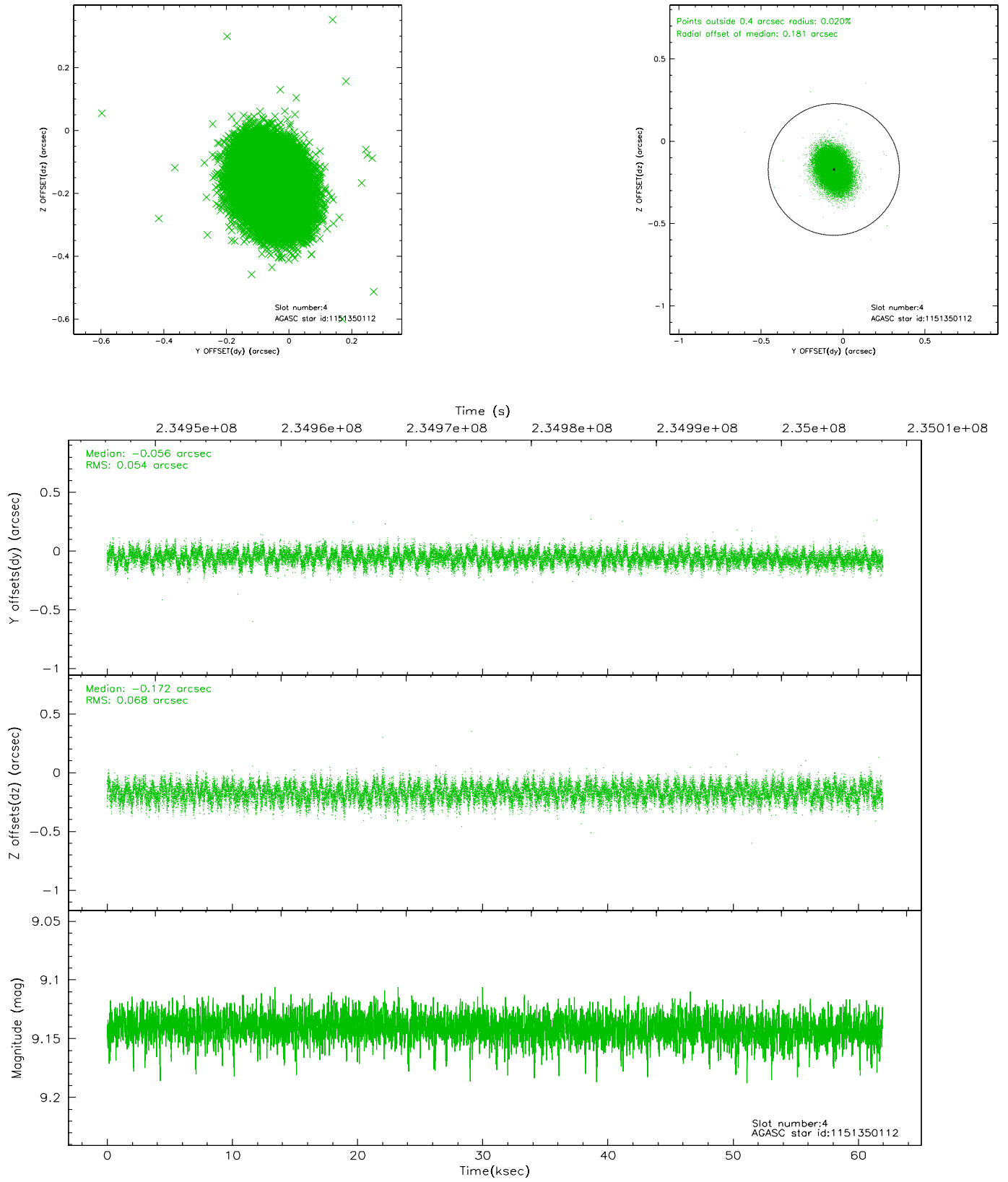
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.28	15111	-0.021	0.059	0.014	0.028	0.000000	0.000000	932.18	-627.08
1	FID	ACIS-I-5	7.24	15113	-0.092	0.027	0.009	0.016	0.000000	0.000000	-1816.03	1270.39
2	FID	ACIS-I-6	7.23	15110	0.021	-0.017	0.013	0.026	0.000000	0.000000	397.80	1914.80
3	GUIDE	1151340776	9.20	30197	0.075	-0.016	0.079	0.128	302.320116	-57.331751	-2153.09	894.28
4	GUIDE	1151350112	9.14	30212	-0.056	-0.172	0.093	0.147	303.241865	-56.846660	258.51	198.89
5	GUIDE	1151472992	9.63	30193	0.006	0.160	0.088	0.145	303.531180	-57.237033	-689.09	-983.11
6	GUIDE	1151471240	9.45	30213	0.195	-0.036	0.098	0.161	303.425045	-57.451391	-1462.98	-1180.52
7	GUIDE	1151467856	9.65	30198	-0.222	0.061	0.108	0.181	303.931677	-56.775960	1143.01	-864.10

## 2.4 Star Slots

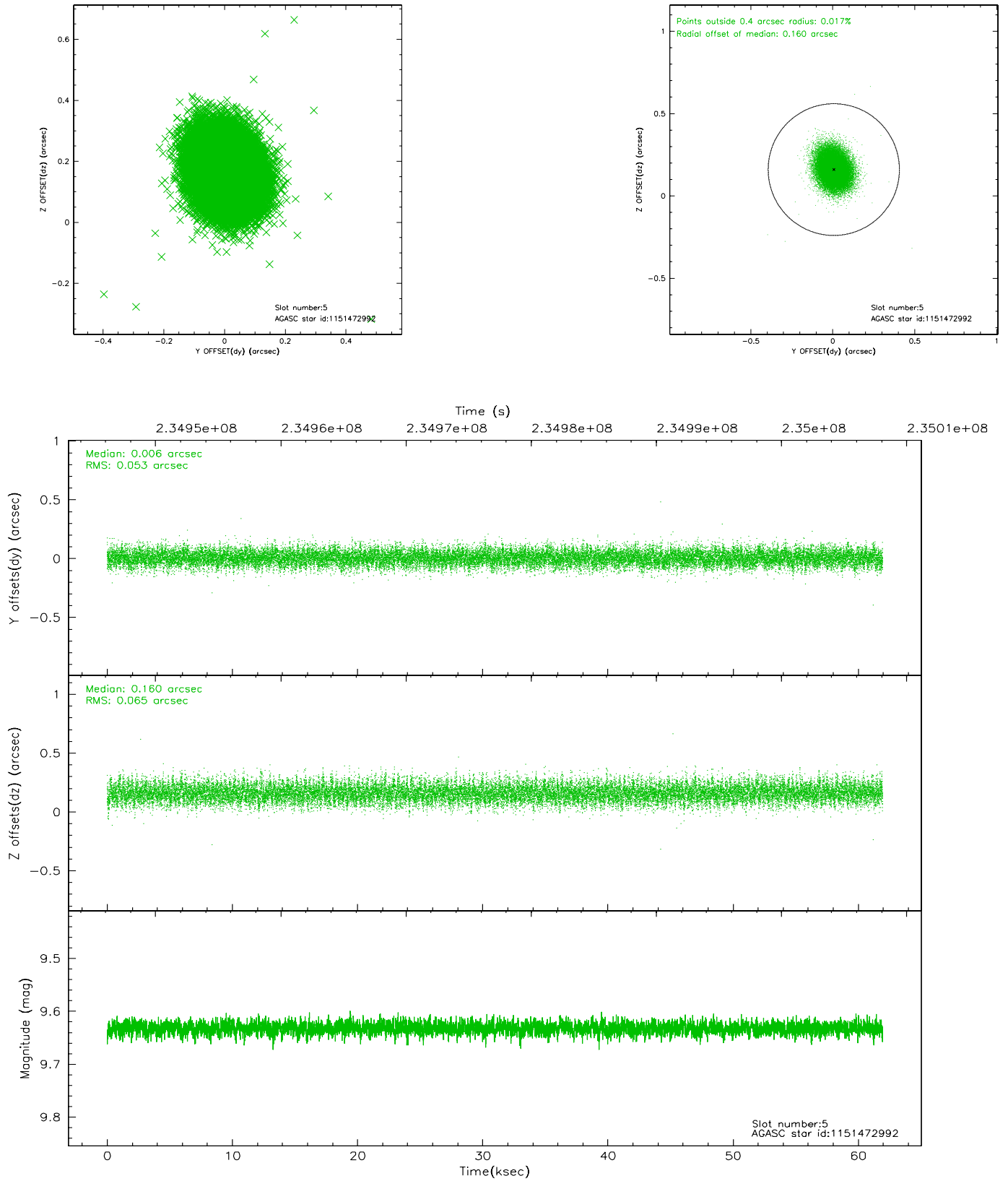
### 2.4.1 Slot 3



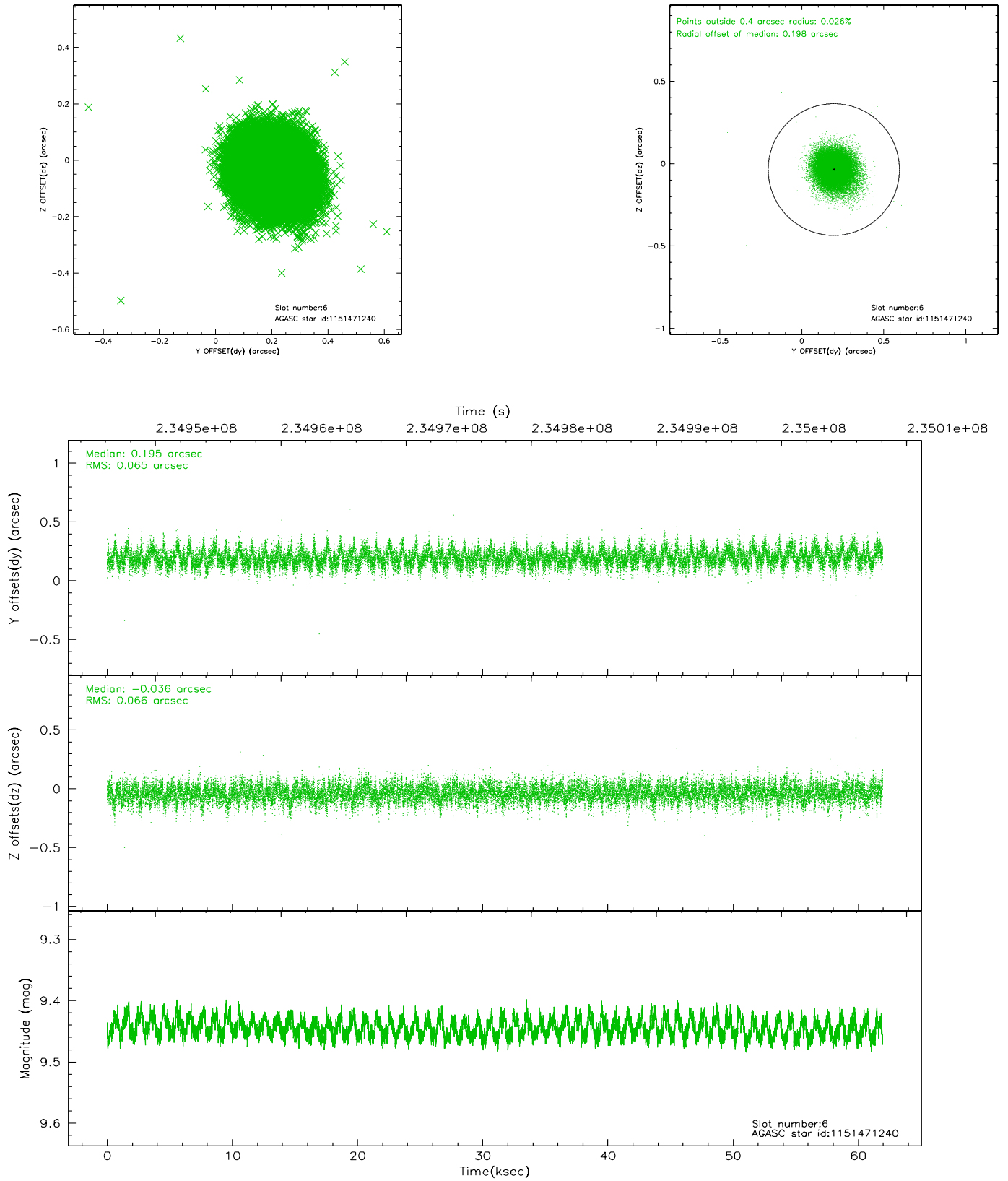
## 2.4.2 Slot 4



### 2.4.3 Slot 5

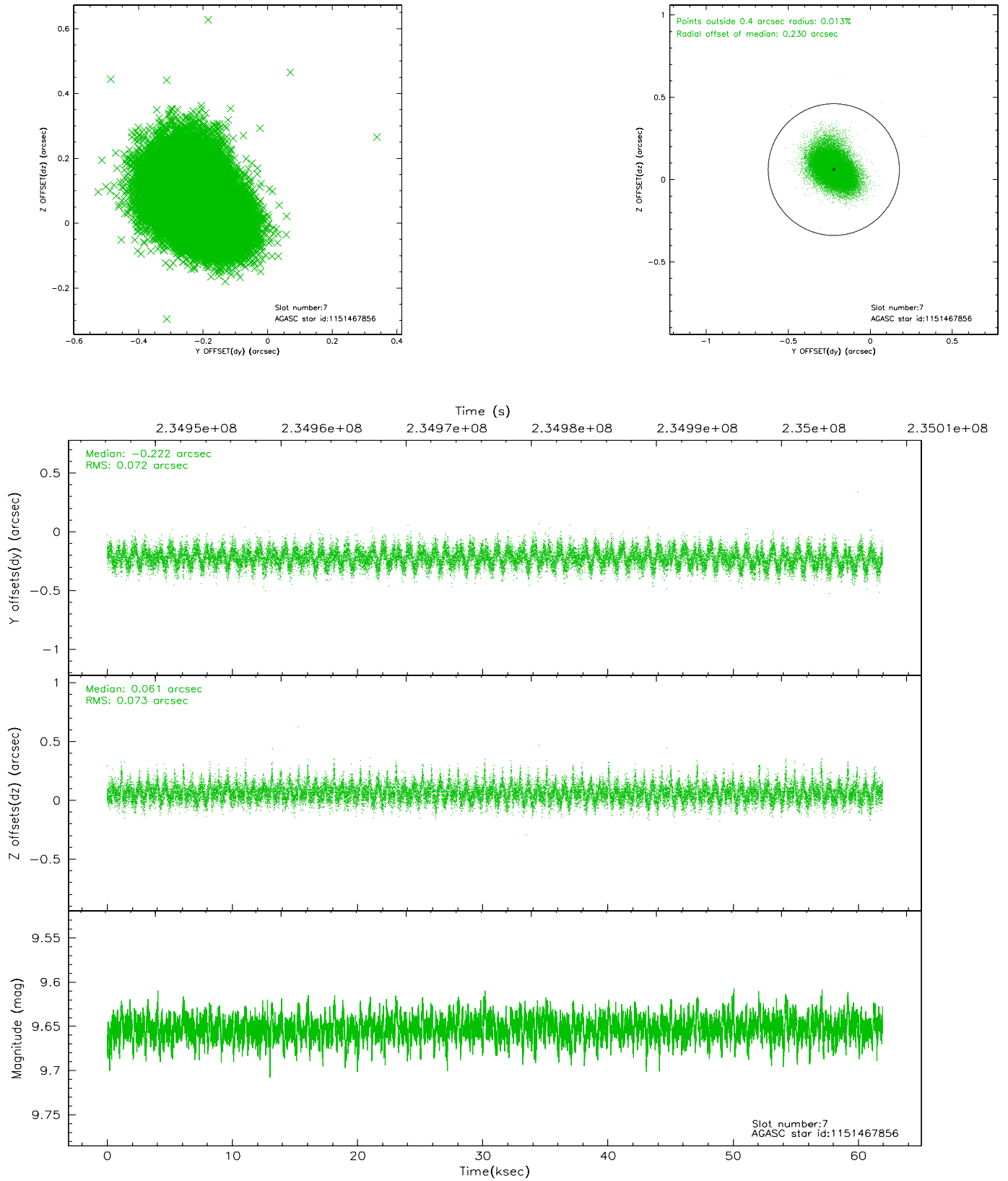


### 2.4.4 Slot 6



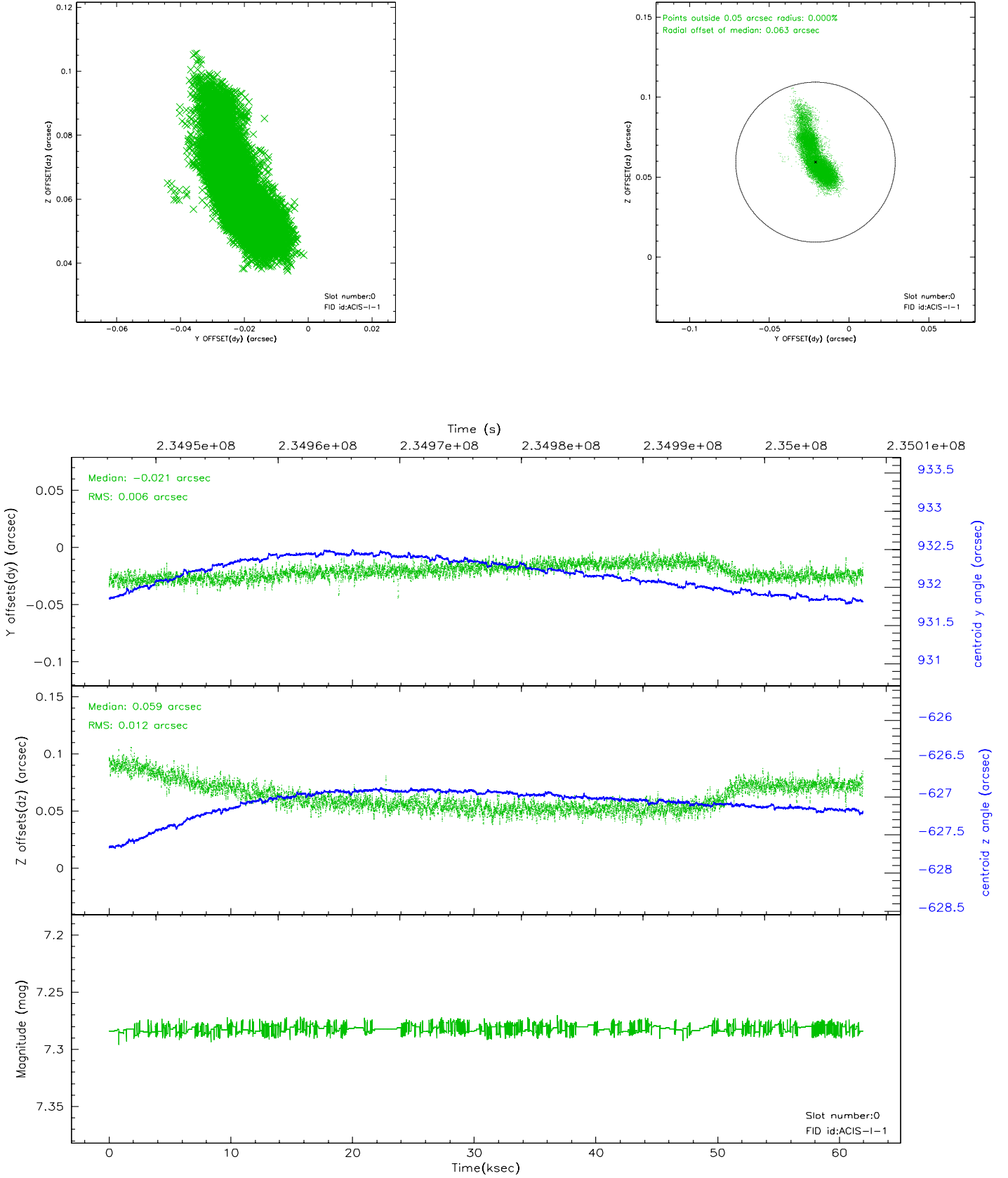


## 2.4.5 Slot 7

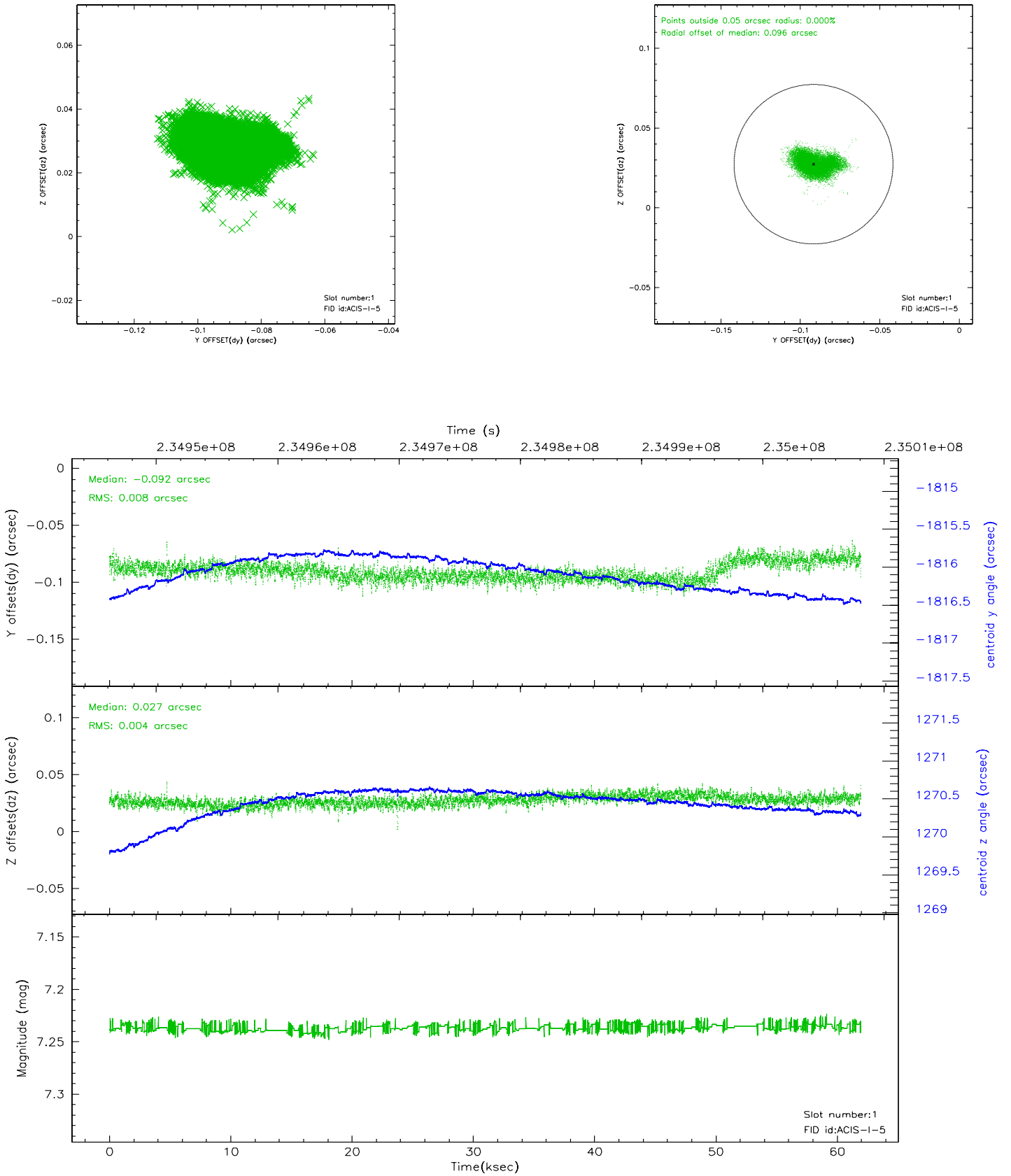


## 2.5 FID Slots

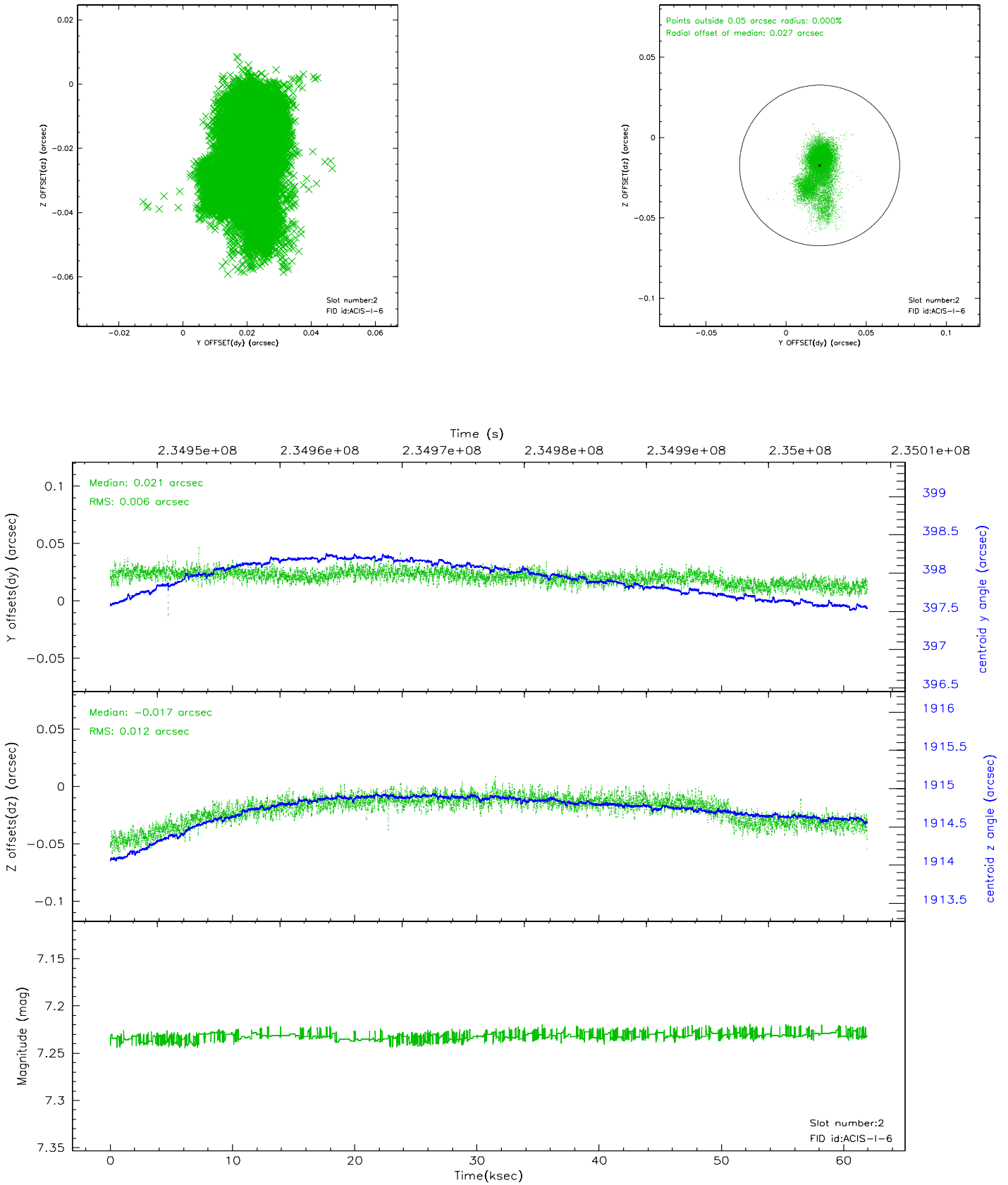
### 2.5.1 Slot 0



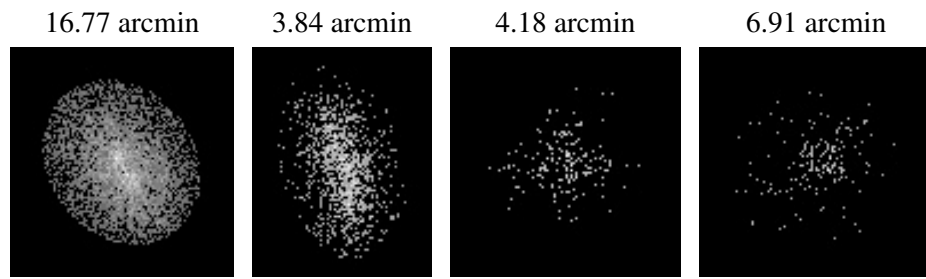
## 2.5.2 Slot 1



### 2.5.3 Slot 2



### 3 Point Sources



## A Summary

### A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2006.03.10
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	61.20321

### A.2 Comments